



CLPX-Satellite: Multi-angle Imaging Spectroradiometer (MISR) Products, Version 1

USER GUIDE

How to Cite These Data

As a condition of using these data, you must include a citation:

Davis, R. 2003. *CLPX-Satellite: Multi-angle Imaging Spectroradiometer (MISR) Products, Version 1*. [Indicate subset used]. Boulder, Colorado USA. NASA National Snow and Ice Data Center Distributed Active Archive Center. doi: <https://doi.org/10.5067/9J2EKGYLWJB8>. [Date Accessed].

FOR QUESTIONS ABOUT THESE DATA, CONTACT NSIDC@NSIDC.ORG

FOR CURRENT INFORMATION, VISIT <https://nsidc.org/data/NSIDC-0150>



National Snow and Ice Data Center

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1 DETAILED DATA DESCRIPTION

This data set includes Level-1B2 georectified terrain and Level-2 land surface, and an ancillary geographic product for the Large Regional Study Area (LRSA) of the Cold Land Processes Field Experiment (CLPX) in northern Colorado and southern Wyoming. For more information on MISR data, see [MISR Data at the Atmospheric Science Data Center](#).

1.1 Format

Data are stored in Hierarchical Data Format - Earth Observing System (HDF-EOS) format.

1.2 File and Directory Structure

Data are available on the HTTPS site in the https://daacdata.apps.nsidc.org/pub/DATASETS/nsidc0150_clpx_sat_misr_v01/. Within the directory, there are six file folders.

The file folders are described in Table 1.

Table 1 File Directory Description

Folder Name	Size	Description
AGP	3 MB	MISR Ancillary Geographic Product
Images	1 MB	.jpg images
MI1B2T_2002	251 MB	MISR Level-1B2 Georectified Terrain Data for 2002
MI1B2T_2003	337 MB	MISR Level-1B2 Georectified Terrain Data for 2003
MIL2ASLS_2002	19 MB	MISR Level-2 Land Surface Data for 2002
MIL2ASLS_2003	36 MB	MISR Level-2 Land Surface Data for 2003

1.3 File Naming Convention

This section explains the file naming conventions used for this product with examples.

Example File Name:

MISR_AM1_AGP_P031_F01_24.subset_7475_20030604162322.hdf

MISR_AM1_AGP_Pxxx_Fnn_nnnn.hdf

Refer to Table 2 for the valid values for the file name variables listed above.

Table 2 File Naming Convention Description

Variable	Description
MISR	Instrument Name
AM1	Satellite Name
AGP	Ancillary Geographic Product
Pxxx	Path Number
Fnn	Format version of the product
nn	Product Version Number

Example File Name:

MISR_AM1_GRP_P031_O011670_AA_F02_0016.subset_3090_20030516152607.hdf

MISR_AM1_GRP_Terrain_GM_Pxxx_Oxxxxxx_xx_Fnn_nnnn.hdf

Refer to Table 3 for the valid values for the file name variables listed above.

Table 3 File Naming Convention Description

Variable	Description
MISR	Instrument Name
AM1	Satellite Name
GRP_Terrain_GM	Georectified Radiance Product Terrain (Land Surface) Global Mode
Pxxx	Path Number
Oxxxxxx	Orbit Number
XX	Camera
Fnn	Format version of the product
nnnn	Product Version Number

Example File Name:

MISR_AM1_AS_LAND_P031_O017029_F03_0012.subset_20163_20030516083715.hdf

MISR_AM1_AS_LAND_Pxxx_Oxxxxxx_Fnn_nnnn.hdf

Refer to Table 4 for the valid values for the file name variables listed above.

Table 4 File Naming Convention Description

Variable	Description
MISR	Instrument Name
AM1	Satellite Name
GRP_Terrain_GM	Georectified Radiance Product Terrain (Land Surface) Global Mode
Pxxx	Path Number
Oxxxxxx	Orbit Number
XX	Camera
Fnn	Format version of the product
nnnn	Product Version Number

1.4 Spatial Coverage

The spatial coverage is:

Northernmost Latitude: 42.0° N

Southernmost Latitude: 38.5° N

Easternmost Longitude: 104.0° W

Westernmost Longitude: 108.5° W

1.5 Temporal Coverage

The data were collected from 15 Feb 2002 to 15 May 2002 and 15 Feb 2003 to 15 May 2003.

1.6 Parameter or Variable

Albedo

Visible Radiance

2 DATA ACQUISITION AND PROCESSING

2.1 Sensor or Instrument Description

The Multi-angle Imaging SpectroRadiometer (MISR), on board NASA's Terra platform, views Earth at nine widely spaced angles via radiometrically and geometrically calibrated images in four spectral bands at each of the nine angles, to provide global images with high spatial detail. Global spatial sampling is provided at 275 and 1100 meters. These images provide accurate measures of the brightness, contrast, and color of reflected sunlight.

3 REFERENCES AND RELATED PUBLICATIONS

3.1 Related Data Collections

[AMSR-E Validation Data Sets](#)

3.2 Related Websites

[MISR Data at the Atmospheric Science Data Center](#)

4 CONTACTS AND ACKNOWLEDGMENTS

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5 DOCUMENT INFORMATION

5.1 Publication Date

October 2014

5.2 Date Last Updated

29 March 2021